



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the

Application of: DARREN SHAKIB ET AL.

Examiner: NOT YET  
ASSIGNED

Application No.: 10/761,160

Art Unit: NOT YET  
ASSIGNED

Filed: JANUARY 20, 2004

Title: INFREQUENT WORD  
INDEX FOR DOCUMENT  
INDEXES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with a copy of the document(s) listed on the form. Applicant respectfully requests that the Examiner consider the listed document(s), initial the enclosed Form PTO-1449 to indicate such consideration, and return a copy of the initialed Form PTO-1449 to the Applicant.

This Information Disclosure Statement is being ~~I hereby certify that this paper is being deposited today with the U.S. Postal Service as 1st Class Mail addressed to the Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450~~  
1.97(b).

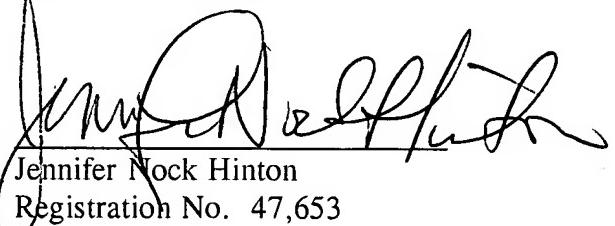
on April 1, 2004.  
By: Amey Omer

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to patentability.

The Commissioner is hereby authorized to charge any required fee under 37 C.F.R. § 1.17 in connection with this communication to our Deposit Account No. 23-0630.

Date: 31MR04

Respectfully submitted,

  
Jennifer Nock Hinton  
Registration No. 47,653

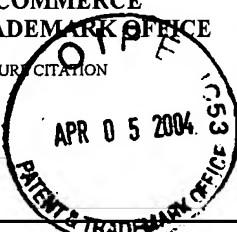
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U.S. DEPT. OF COMMERCE  
PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE CITATION

Sheet 1 of 1



Attorney Docket No.: 16-515

Serial No.: 10/761,160

Applicant: Darren Shakib et al.

Filing Date: January 20, 2004

Group: N/A

## U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
		6,678,681	01/13/04	Brin			
		6,658,423	12/02/03	Pugh et al.			
		6,615,209	09/02/03	Gomes et al.			
		6,529,903	03/04/03	Smith et al.			
		6,526,440	02/25/03	Bharat			
		US2002/0133481	09/19/02	Smith et al.			
		US2002/0123988	09/05/02	Dean et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

		S. Brin and L. Page. <i>The Anatomy of a Large-Scale Hypertextual Web Search Engine</i> . August 7, 2000. <a href="http://www7.scu.edu.au/programme/fullpapers/1921/com1921.htm">http://www7.scu.edu.au/programme/fullpapers/1921/com1921.htm</a>
		D. Bahle, H. Williams and J. Zobel. <i>Optimised Phrase Querying and Browsing of Large Text Database</i> . 2001 IEEE. Pages 11-19.
		J. Zobel and A. Moffat. <i>Inverted Files Versus Signature Files for Text Indexing</i> . 1999 ACM. Pages 453-490.
		D. Bahle, H. Williams and J. Zobel. <i>Efficient Phrase Querying with an Auxiliary Index</i> . 2002 ACM. Pages 215-221
		D. Dreilinger and A. Howe. <i>Experiences with Selecting Search Engines Using Metasearch</i> . 1997 ACM. Pages 195-222.
		N. Fuhr. <i>Two Models of Retrieval with Probabilistic Indexing</i> . 1986 ACM. Pages 249

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609

Draw Line through citation if not in conformance and not considered.

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\*\*Copies of references not provided at the time of this submission.

USPTO Form 1449  
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PATENT AND TRADEMARK OFFICE**

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

		S. Bradshaw and K. Hammond. <i>Automatically Indexing Documents: Content vs. Reference</i> . 2002 ACM. Pages 180-181.
		A. Keller and J. Basu. <i>A predicate-based caching scheme for client-server database architectures</i> . The VLDB Journal 1996. Pages 35-47
		J. French, A. Powell, F. Gey and N. Perelman. <i>Exploiting a Controlled Vocabulary to Improve Collection Selection and Retrieval Effectiveness</i> . 2001 ACM. Pages 199-206
		K. Lee, H. Leong and A. Si. <i>Semantic Query Caching in a Mobile Environment</i> . Mobile Computing and Communications Review, Vol. 3, No. 2. Date unknown but prior to December 30, 2003. Pages 28-36.
		M. Rodriguez-Martinez and N. Roussopoulos. <i>MOCHA: A Self-Extensible Database Middleware System for Distributing Data Sources</i> . 2000 ACM. Pages 213-224.
		K. Jarvelin, J. Kristensen, T. Niemi, E. Sormunen and H. Keskustalo. <i>A Deductive Data Model for Query Expansion</i> . 1996 ACM. Pages 235-243.
		R. Goldman and J. Widom. <i>WSQ/DSQ: A Practical Approach for Combined Querying of Databases and the Web</i> . 2000 ACM. Pages 285-295.

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